

Abstract

A layered sensor element (10) used in particular for detecting a physical variable of a measuring gas, preferably for detecting the temperature of the measuring gas or the concentration of a gas component of the measuring gas, is described. The sensor element (10) contains a heater printed conductor (41) situated in a layer plane of the sensor element (10), the heater printed conductor including a heater (41a) and a heater lead (41b) and being embedded in an insulation (43, 43a, 43b). In the layer plane of the heater printed conductor (41), the insulation (43, 43a, 43b) is surrounded by a sealing frame (44, 44a, 44b) at least in some areas. The extension of the sealing frame (44, 44b) in the direction parallel to a layer plane of the sensor element (10) and perpendicular to the longitudinal axis of the sensor element (10) at least in some areas amounts to at least 25 percent, preferably 30 percent to 80 percent, of the extension of the sensor element (10) in this direction.

15 (Figure 1)